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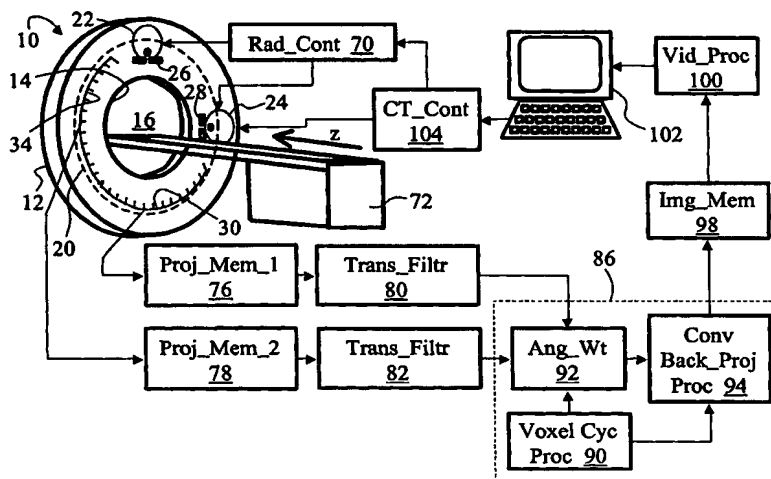
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(54) Title: **COMPUTED TOMOGRAPHY SCANNER WITH LARGE GANTRY BORE**



(57) Abstract: A computed tomography scanner includes a rotating gantry (20) defining an examination region (16). A first radiation source (22) is disposed on the rotating gantry (20) and emits first radiation (32) into the examination region (16). A second radiation source (24) is disposed on the rotating gantry (20) and emits second radiation (36) into the examination region (16). The second radiation source (24) is angularly spaced around the gantry from the first radiation source (22). A first radiation detector (30, 30') receives the first radiation (32). A center of the first radiation detector (30, 30') is angularly spaced around the gantry from the first radiation source (22) by less than 180°. A second radiation detector (34) receives the second radiation (36). A center of the second radiation detector (34) is angularly spaced around the gantry from the second radiation source (24) by less than 180°.